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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/900,937	07/09/2001	Akhter Akhterzaman	LUC-309/Akhterzaman	7473
32205	7590	12/22/2003	37-	
PATTI & BRILL ONE NORTH LASALLE STREET 44TH FLOOR CHICAGO, IL 60602			EXAMINER PEREZ, ANGELICA	
			ART UNIT 2684	PAPER NUMBER
			DATE MAILED: 12/22/2003	

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 09/900,937		Applicant(s) AKHTERZZAMAN ET AL.	
Examiner Angelica M. Perez		Art Unit 2684	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: On page 4, line 2 "their" should be in placed of "there"; on page 7, lines 1-2 item "149" should be moved right next to "restricted-use area" because the way it is placed suggests that it refers to "device's display". Appropriate corrections are required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claims 1, are rejected under 35 U.S.C. 102(e) as being anticipated by Aburai (Aburai et al., Pub. No.: US 0,090,953).

Regarding claim 1, Aburai teaches of a method comprising the steps of (column 2, lines 20-24): storing, in a communication device, location information for one or more designated geographical areas (e.g.; "usage area information stored in an information control center"; columns 2 and 3, lines 60-66 and 1-6); determining, by the communication device, when the communication device is within one of the one or more designated geographical areas (e.g., "positional information of the mobile device";

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column 2, lines 30-39); preventing activation of an audible incoming call indicator in the communication device while the communication device is within one of the one or more designated geographical areas (e.g., transmitting a prohibited mode control signal to the mobile device"; column 2, lines 41-51).

Regarding claim 2, Aburai teaches all the limitations of claim 1. He also teaches where the location information is stored as one or more coordinates defining boundaries of the one or more designated geographical areas (e.g., the boundaries comprising "latitude", "longitude" and "altitude"; columns 2 and 3, lines 60-66 and 1-6).

Regarding claim 3, Aburai teaches all the limitations as stated in claim 1. In addition, Aburai teaches where at least some of the location information is stored for the duration of an event (e.g. the duration of the event is determined by the " restricted time zone" of the columns 7 and 8, lines 63-66 and 5-9, respectively).

Regarding claim 14, Aburai teaches of a method comprising the steps of (column 11, lines 36-56): transmitting, to a communication device, location information for one or more geographical areas wherein use of audible incoming call indicators is restricted (e.g., "GPS" provides the location information to the mobile device when it enters a "restricted area"; column 1, lines 42-47); receiving, from the communication device, an indication that the communication device is within one of the one or more designated geographical areas (e.g., system receives information "from mobile device" in order to collate it with the reference location information; column 11, lines 42-48); intercepting calls intended for the communication device while the communication device is within one of the one or more designated geographical areas(column 11, lines 51-53).

Regarding claim 17, Aburai teaches of a computer-readable signal-bearing medium that comprises a computer readable program code (column 16, lines 1-43) capable of performing all the limitations of the method of claim 1 above.

Regarding claims 4 and 18, Aburai teaches all the limitations as stated in claims 1 and 17. In addition, Aburai teaches where the location information is transmitted to the communication device by an infrastructure of a communication system (figures 1 and 2, item 105 and columns 5 and 6, lines 29-66 and 1-10).

Regarding claims 5 and 15, Aburai teaches all the limitations of claims 1 and 14. Aburai also teaches where the location information is transmitted to the communication device when the communication device enters a coverage area of a cell site and the one or more designated geographical areas are within the coverage area (e.g., when the mobile user enters a "restricted area" the control center issues a signal to the terminal device; columns 3 and 4, lines 62-66 and 1-7).

Regarding claims 6 and 19, Aburai teaches all the limitations of claims 1 and 17. In addition, Aburai teaches where the step of preventing comprises switching the audible incoming call indicator to a vibrating incoming call indicator (column 2, lines 50-51).

Regarding claims 7 and 20, Aburai teaches all the limitations as stated in claims 1 and 17. He further teaches the step of displaying a message on a display for the communication device indicating that the communication device is within one of the one or more designated geographical areas (figure 6).

Regarding claims 8 and 21, Aburai teaches all the limitations as stated in claims 1 and 17. Moreover, he teaches the step of informing the infrastructure when the communication device is within one of the one or more designated geographical areas (figure 7, items 701, 702 and 703).

Regarding claim 9, Aburai teaches all the limitations of claim 8. Furthermore, Aburai teaches the step of intercepting calls intended for the communication device while the communication device is within one of the one or more designated geographical areas (figure 8, items 810 and 811).

Regarding claims 10 and 16, Aburai teaches all the limitations as stated in claims 1 and 14. Aburai further teaches the step of sending missed call messages to the communication device for any calls received while the communication device is within one of the one or more designated geographical areas (figure 8 item 812; column 8, lines 52-57).

Regarding claims 11 and 22, Aburai teaches all the limitations as stated in claims 1 and 17. Aburai further teaches the steps of determining, by the communication device, when the communication device is no longer within the one of the one or more designated geographical areas and automatically reactivating the audible incoming call indicator in the communication device when the communication device is no longer within the one of the one or more designated geographical areas (column 10, lines 5-9).

Regarding claim 12, Aburai teaches all the limitations of claim 8. In addition, Aburai teaches the steps of determining, by the communication device, when the communication device is no longer within the one of the one or more designated

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geographical areas and informing the infrastructure when the communication device is no longer within one of the one or more designated geographical areas (columns 9 and 10, lines 21-28 and 5-9, respectively).

Regarding claims 13 and 23, Aburai teaches all the limitations as stated in claims 1 and 17. Aburai also teaches where the step of determining comprises determining when the communication device travels above a predetermined speed and considering such travel to be one of the one or more designated geographical areas (column 1, lines 37-42).

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Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Pub. No.: US 2001/0031631 A1, refers to control of mobile communications within a limited area.

Patent No.: JP 11187091 A, deals with restriction of incoming call notice mode when the device moves at a high speed.

Patent No.: US 6,249,674 B1, relates to disabling termination restrictions of a mobile subscriber unit.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angelica Perez whose telephone number is 703-308-7745. The examiner can normally be reached on 7:30 a.m. - 4:00 p.m., Monday - Friday.

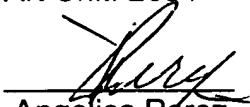
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2600's customer service number is 703-306-0377.

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Angelica Perez
(Examiner)


Consent

Nay A. Maung
(SPE)

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December 4, 2003
